

PF-0701 USA

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.

TANG, Y. Tom  
YUE, Henry  
LAL, Preeti  
BURFORD, Neil  
BANDMAN, Olga  
BAUGHN, Mariah R.  
AZIMZAI, Yalda  
LU, Dyung Aina M.  
PATTERSON, Chandra

<120> EXTRACELLULAR SIGNALING MOLECULES

<130> PF-0701 USA

<140> To Be Assigned

<141> Herewith

<150> 60/134,949; 60/144,270; 60/146,700; 60/157,508

<151> 1999-05-19; 1999-07-15; 1999-07-30; 1999-10-04

<160> 55

<170> PERL Program

<210> 1

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1288847CD1

<400> 1

Met Gly Lys Glu Trp Val Lys Ile Leu Leu Phe Leu Leu His Leu  
1 5 10 15  
Ser Asn Phe Phe Thr Ile Val Thr Phe Leu Gly Ser Gln Gly Leu  
20 25 30  
Leu Gln Ser Pro Ser Tyr Glu Lys Leu Val Gly Cys Cys Leu Met  
35 40 45  
Thr Arg Gly Cys Phe Ser Pro Ser Val Met Leu Pro Ser Ala Ala  
50 55 60  
Pro Ser Gln Gln Asp Ser Pro Ser His Ser Arg Ala Pro Gly Pro  
65 70 75  
Cys Ser

<210> 2

<211> 88

<212> PRT

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<220>

<221> misc\_feature

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<223> Incyte ID No: 1329044CD1

<400> 2

Met	Lys	Thr	Pro	Asn	Asp	Leu	Phe	Leu	Arg	Gln	Leu	Gly	Tyr	Leu
1				5					10					15
Ser	Ile	Cys	Cys	Phe	Val	Phe	Ser	Ser	Glu	Glu	Ser	Lys	Asn	Tyr
				20					25					30
Lys	Ile	Ser	Leu	Ile	Val	Tyr	Leu	Thr	Phe	Leu	Thr	Met	Glu	Thr
				35					40					45
Lys	Pro	Arg	Asn	Ser	Ile	Tyr	Ser	Val	Leu	Thr	Gln	Ser	Thr	His
				50					55					60
Pro	Asp	Phe	Glu	Ser	Pro	Arg	Thr	Gly	Val	Pro	Asn	Pro	Arg	Ala
				65					70					75
Glu	Asp	Gln	Tyr	Gln	Phe	Glu	Ala	Tyr	Tyr	Arg	Val	Thr		
				80					85					

<210> 3

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1493630CD1

<400> 3

Met	Ser	Met	Gln	Phe	Leu	Phe	Lys	Met	Val	Ala	Leu	Cys	Cys	Cys
1				5					10					15
Leu	Trp	Lys	Ile	Ser	Gly	Cys	Glu	Glu	Val	Pro	Leu	Thr	Tyr	Asn
				20					25					30
Leu	Leu	Lys	Cys	Leu	Leu	Asp	Lys	Ala	His	Cys	Val	Leu	Leu	Thr
				35					40					45
Pro	Cys	Gly	Tyr	Ile	Phe	Ser	Leu	Ile	Ser	Pro	Glu	Ile	Leu	Lys
				50					55					60
Leu	Thr	Leu	Ile	Thr	Leu	Gln	Ile	Leu	Leu	Ile	Leu	Lys	Asn	Leu
				65					70					75
His	Leu	Leu	Trp	Leu	Thr	Val	Ser	Ser	Arg	Cys	Val	His	Arg	Ser
				80					85					90
Ser	Ala	Arg	Lys	Glu	Lys									
				95										

<210> 4

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1533041CD1

<400> 4

Met	Arg	Leu	Ser	Leu	Pro	Leu	Gly	Ser	Leu	Leu	Trp	Pro	Phe	Leu
1				5					10					15
Val	Cys	Gly	Cys	Leu	Leu	Gln	Val	Ala	Leu	Cys	Gln	Thr	Arg	Ser
				20					25					30
Ala	Pro	His	Leu	Asp	Thr	His	Ser	Pro	Val	Ala	Phe	Gln	Cys	Ser

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				35					40					45
Gly	Arg	Lys	Pro	Val	Ser	Leu	Asp	Val	Lys	Leu	Thr	Leu	Met	Gly
				50					55					60
Trp	Gly	Arg	Gly	Leu	Gly	Arg	Arg	Gly	Gly	Arg	Gly	Glu	Gly	Thr
				65					70					75
Glu	Leu	Arg	Ile	Ser	Trp	Ser	Ala	Leu	Gln	Ala	Gln	Arg	Arg	Ser
				80					85					90
Ala	Lys	Val	Leu	Asn	Arg	Phe	Ser	Leu	Glu	Ile	Lys	Asn	Pro	
				95					100					

<210> 5  
<211> 60  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1566162CD1

Met	Leu	Met	Phe	Ile	Lys	Gly	Leu	Ser	Ser	Thr	Leu	Phe	Leu	Gly
1				5					10					15
Ser	Thr	Leu	Ser	His	Arg	Asp	Pro	Ile	Cys	Phe	Tyr	Ser	Phe	His
				20					25					30
Phe	His	Leu	Tyr	Leu	Leu	Pro	His	Ala	Val	Ser	Pro	Val	Thr	Asn
				35					40					45
Ser	Ile	Tyr	Asn	Tyr	Leu	Leu	Gly	Leu	Tyr	Leu	Asp	Thr	Cys	Thr
				50					55					60

<210> 6  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1811831CD1

Met	Pro	Lys	Ser	Gln	Ser	His	His	Leu	Thr	Gln	Leu	Gln	Leu	Leu
1				5					10					15
Pro	Ser	Cys	Leu	Leu	Gly	Leu	Leu	Pro	Pro	Val	Pro	Ala	Val	His
				20					25					30
Ala	Tyr	Ile	Leu	Gln	Gly	Cys	Val	Leu	Ser	Gly	Arg	Glu	Ile	Phe
				35					40					45
Phe	Ser	Val	Leu	Gln	Phe	Phe	Thr	Gln	Thr	Phe	Ser	Phe	Val	Val
				50					55					60
Pro	Val	Phe	Pro	Ser	Phe	Pro	Gly	Gly	Phe	Arg	Leu	Pro	Phe	Ser
				65					70					75
Ser	Pro	Trp	Leu	Ser	Leu	Cys	Pro	Ile	His	Arg	Ser	Thr	Leu	Gln
				80					85					90
Ala	Cys	Leu	Tyr	Glu	Arg	Gly	Leu	Phe	Leu	Cys	Arg	Lys	Leu	Thr
				95					100					105
Leu	Thr	Arg	Cys	Gly	Cys	Ser	Tyr	Thr	Asp	Leu	Ile			
				110					115					

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<210> 7  
<211> 86  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1835447CD1

<400> 7  
Met Arg Ala Lys Gly Phe Leu Ala Pro Ser Leu Val Leu Ala Val  
1 5 10 15  
Ser Leu Glu Leu Met His Pro Asp Ala Asn Ser Pro Ser Glu Cys  
20 25 30  
Arg Gly Asp Glu Thr Leu Thr Gly Gln Phe Asn Leu Tyr Met Gly  
35 40 45  
Asp Lys Leu Glu Gly Lys Thr Asn Gly Arg Arg Val Lys Arg Lys  
50 55 60  
Leu Asn Tyr Cys Ala Asn Thr Arg His Ser Asn Pro Gly Gly Tyr  
65 70 75  
Cys Arg Val Asn Asn Asp Arg Tyr Tyr Phe Val  
80 85

<210> 8  
<211> 109  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3892281CD1

<400> 8  
Met Arg Cys Arg Leu Leu Ala Gly Ala Leu Val Leu Leu His Leu  
1 5 10 15  
Arg Leu Ser Ile Trp Leu Leu Gly Leu Pro His Ser Met Ala Asp  
20 25 30  
Gly Leu Arg Glu Gly Ala Phe Pro Asn Lys Gly Pro His Lys Leu  
35 40 45  
Asp Leu Trp Arg Ala Ser Leu Arg Ser His Pro Val Ser His Gly  
50 55 60  
Pro His Phe Ile Gly Tyr Arg Ala Ser Gln Phe Glu Gly Glu Glu  
65 70 75  
Lys Tyr Val Ala Val Tyr Ala Val Ser Ser Ala Ser Leu Leu Pro  
80 85 90  
Ala Leu Pro Val Pro Val Leu Arg Ala Ala Leu Ala Glu Gln Met  
95 100 105  
Tyr Leu Leu Ser

<210> 9  
<211> 111  
<212> PRT  
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<220>

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<221> misc\_feature

<223> Incyte ID No: 4318494CD1

<400> 9

Met Arg Ser Pro Ser Phe Pro Phe Thr Leu Leu Ser Gly Leu Pro  
1 5 10 15  
Gly Pro Gly Phe Ser Gln Leu Cys Val Arg Val Ser Gln Val Ser  
20 25 30  
Arg Asn Pro Met Arg Ser Glu Gly Cys Phe Gly Leu Leu Lys Ser  
35 40 45  
Val Gln Asp Asn Pro Ala Ser Ala Leu Glu Leu Leu Asp Phe Ser  
50 55 60  
Asp Ile Gln Val Asn Ala Glu Phe Asp Gly Leu Ala Ser Ser Val  
65 70 75  
Arg Gly Ile Leu Pro Glu Leu Cys Ile Lys Thr Gly Ala Cys Arg  
80 85 90  
Val Glu Tyr Lys Lys Glu Leu Leu Pro Val Phe Arg Ser Ala Leu  
95 100 105  
Pro Ala Ser Val Pro Lys  
110

<210> 10

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 5090841CD1

<400> 10

Met Glu Pro Gln Leu Gly Pro Glu Ala Ala Ala Leu Arg Pro Gly  
1 5 10 15  
Trp Leu Ala Leu Leu Leu Trp Val Ser Ala Leu Ser Cys Ser Phe  
20 25 30  
Ser Leu Pro Ala Ser Ser Leu Ser Ser Leu Val Pro Gln Val Arg  
35 40 45  
Thr Ser Tyr Asn Phe Gly Arg Thr Phe Leu Gly Leu Asp Lys Cys  
50 55 60  
Asn Ala Cys Ile Gly Thr Ser Ile Cys Lys Lys Phe Phe Lys Glu  
65 70 75  
Glu Ile Arg Ser Asp Asn Trp Leu Ala Ser His Leu Gly Leu Pro  
80 85 90  
Pro Asp Ser Leu Leu Ser Tyr Pro Ala Asn Tyr Ser Asp Asp Ser  
95 100 105  
Lys Ile Trp Arg Pro Val Glu Ile Phe Arg Leu Val Ser Lys Tyr  
110 115 120  
Gln Asn Glu Ile Ser Asp Arg Arg Ile Cys Ala Ser Ala Ser Ala  
125 130 135  
Pro Lys Thr Cys Ser Ile Glu Arg Val Leu Arg Lys Thr Glu Arg  
140 145 150  
Phe Gln Lys Trp Leu Gln Ala Lys Arg Leu Thr Pro Asp Leu Val  
155 160 165  
Gln Asp Cys His Gln Gly Gln Arg Glu Leu Lys Phe Leu Cys Met  
170 175 180

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Leu Arg

<210> 11

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2006548CD1

<400> 11

Met	Arg	Gly	Ala	Thr	Arg	Val	Ser	Ile	Met	Leu	Leu	Leu	Val	Thr
1				5					10					15
Val	Ser	Asp	Cys	Ala	Val	Ile	Thr	Gly	Ala	Cys	Glu	Arg	Asp	Val
				20					25					30
Gln	Cys	Gly	Ala	Gly	Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg
				35					40					45
Gly	Leu	Arg	Met	Cys	Thr	Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys
				50					55					60
His	Pro	Gly	Ser	His	Lys	Val	Pro	Phe	Phe	Arg	Lys	Arg	Lys	His
				65					70					75
His	Thr	Cys	Pro	Cys	Leu	Pro	Asn	Leu	Leu	Cys	Ser	Arg	Phe	Pro
				80					85					90
Asp	Gly	Arg	Tyr	Arg	Cys	Ser	Met	Asp	Leu	Lys	Asn	Ile	Asn	Phe
				95					100					105

<210> 12

<211> 342

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2207183CD1

<400> 12

Met	Glu	Gly	Pro	Glu	Phe	Leu	Arg	Thr	Ala	Thr	Ser	Ala	Ser	Gly
1				5					10					15
Arg	Gly	Glu	His	Arg	Ala	Glu	Gly	Val	Cys	Ser	Arg	Leu	Arg	Glu
				20					25					30
Ala	Ala	Arg	Arg	Arg	Gly	Arg	Pro	Ser	Leu	Lys	Gly	Lys	Arg	Lys
				35					40					45
Arg	Gly	Ser	Ala	Ser	Ile	Pro	Glu	Arg	Gly	Leu	Gly	Arg	Met	Lys
				50					55					60
Thr	Ser	Ala	Glu	Leu	His	Glu	Gln	Glu	Lys	Pro	Pro	Ser	Ser	Pro
				65					70					75
Arg	Ala	Thr	Gly	Pro	Gly	Arg	Leu	Gly	His	Ala	Arg	Gly	Arg	Gly
				80					85					90
Pro	Asp	Ala	Leu	Arg	Gly	Gly	Ala	Ala	Gly	Pro	Gly	Arg	Ala	Ser
				95					100					105
Ser	Gly	Ala	Pro	Arg	Glu	Arg	Lys	Met	Ala	Pro	His	Gly	Pro	Gly
				110					115					120
Ser	Leu	Thr	Thr	Leu	Val	Pro	Trp	Ala	Ala	Ala	Leu	Leu	Leu	Ala

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	125		130		135
Leu Gly Val Glu Arg Ala Leu Ala Leu		Pro Glu Ile Cys Thr Gln			
	140		145		150
Cys Pro Gly Ser Val Gln Asn Leu Ser		Lys Val Ala Phe Tyr Cys			
	155		160		165
Lys Thr Thr Arg Glu Leu Met Leu His		Ala Arg Cys Cys Leu Asn			
	170		175		180
Gln Lys Gly Thr Ile Leu Gly Leu Asp		Leu Gln Asn Cys Ser Leu			
	185		190		195
Glu Asp Pro Gly Pro Asn Phe His Gln		Ala His Thr Thr Val Ile			
	200		205		210
Ile Asp Leu Gln Ala Asn Pro Leu Lys		Gly Asp Leu Ala Asn Thr			
	215		220		225
Phe Arg Gly Phe Thr Gln Leu Gln Thr		Leu Ile Leu Pro Gln His			
	230		235		240
Val Asn Cys Pro Gly Gly Ile Asn Ala		Trp Asn Thr Ile Thr Ser			
	245		250		255
Tyr Ile Asp Asn Gln Ile Cys Gln Gly		Gln Lys Asn Leu Cys Asn			
	260		265		270
Asn Thr Gly Asp Pro Glu Met Cys Pro		Glu Asn Gly Ser Cys Val			
	275		280		285
Pro Asp Gly Pro Gly Leu Leu Gln Cys		Val Cys Ala Asp Gly Phe			
	290		295		300
His Gly Tyr Lys Cys Met Arg Gln Gly		Ser Phe Ser Leu Leu Met			
	305		310		315
Phe Phe Gly Ile Leu Gly Ala Thr Thr		Leu Ser Val Ser Ile Leu			
	320		325		330
Leu Trp Ala Thr Gln Arg Arg Lys Ala		Lys Thr Ser			
	335		340		

<210> 13

<211> 451

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2267403CD1

<400> 13

Met Val Pro Glu Val Arg Val Leu Ser	Ser Leu Leu Gly Leu Ala
1 5	10 15
Leu Leu Trp Phe Pro Leu Asp Ser His	Ala Arg Ala Arg Pro Asp
20 25	30
Met Phe Cys Leu Phe His Gly Lys Arg	Tyr Ser Pro Gly Glu Ser
35 40	45
Trp His Pro Tyr Leu Glu Pro Gln Gly	Leu Met Tyr Cys Leu Arg
50 55	60
Cys Thr Cys Ser Glu Gly Ala His Val	Ser Cys Tyr Arg Leu His
65 70	75
Cys Pro Pro Val His Cys Pro Gln Pro	Val Thr Glu Pro Gln Gln
80 85	90
Cys Cys Pro Lys Cys Val Glu Pro His	Thr Pro Ser Gly Leu Arg
95 100	105
Ala Pro Pro Lys Ser Cys Gln His Asn	Gly Thr Met Tyr Gln His

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	110	115	120
Gly Glu Ile Phe	Ser Ala His Glu Leu	Phe Pro Ser Arg Leu	Pro
	125	130	135
Asn Gln Cys Val	Leu Cys Ser Cys Thr	Glu Gly Gln Ile Tyr	Cys
	140	145	150
Gly Leu Thr Thr	Cys Pro Glu Pro Gly	Cys Pro Ala Pro Leu	Pro
	155	160	165
Leu Pro Asp Ser	Cys Cys Gln Ala Cys	Lys Asp Glu Ala Ser	Glu
	170	175	180
Gln Ser Asp Glu	Glu Asp Ser Val Gln	Ser Leu His Gly Val	Arg
	185	190	195
His Pro Gln Asp	Pro Cys Ser Ser Asp	Ala Gly Arg Lys Arg	Gly
	200	205	210
Pro Gly Thr Pro	Ala Pro Thr Gly Leu	Ser Ala Pro Leu Ser	Phe
	215	220	225
Ile Pro Arg His	Phe Arg Pro Lys Gly	Ala Gly Ser Thr Thr	Val
	230	235	240
Lys Ile Val Leu	Lys Glu Lys His Lys	Lys Ala Cys Val His	Gly
	245	250	255
Gly Lys Thr Tyr	Ser His Gly Glu Val	Trp His Pro Ala Phe	Arg
	260	265	270
Ala Phe Gly Pro	Leu Pro Cys Ile Leu	Cys Thr Cys Glu Asp	Gly
	275	280	285
Arg Gln Asp Cys	Gln Arg Val Thr Cys	Pro Thr Glu Tyr Pro	Cys
	290	295	300
Arg His Pro Glu	Lys Val Ala Gly Lys	Cys Cys Lys Ile Cys	Pro
	305	310	315
Glu Asp Lys Ala	Asp Pro Gly His Ser	Glu Ile Ser Ser Thr	Arg
	320	325	330
Cys Pro Lys Ala	Pro Gly Arg Val Leu	Val His Thr Ser Val	Ser
	335	340	345
Pro Ser Pro Asp	Asn Leu Arg Arg Phe	Ala Leu Glu His Glu	Ala
	350	355	360
Ser Asp Leu Val	Glu Ile Tyr Leu Trp	Lys Leu Val Lys Asp	Glu
	365	370	375
Glu Thr Glu Ala	Gln Arg Gly Glu Val	Pro Gly Pro Arg Pro	His
	380	385	390
Ser Gln Asn Leu	Pro Leu Asp Ser Asp	Gln Glu Ser Gln Glu	Ala
	395	400	405
Arg Leu Pro Glu	Arg Gly Thr Ala Leu	Pro Thr Ala Arg Trp	Pro
	410	415	420
Pro Arg Arg Ser	Leu Glu Arg Leu Pro	Ser Pro Asp Pro Gly	Ala
	425	430	435
Glu Gly His Gly	Gln Ser Arg Gln Ser	Asp Gln Asp Ile Thr	Lys
	440	445	450

Thr

<210> 14  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



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<223> Incyte ID No: 2933038CD1

<400> 14

Met Leu Gly Ser Arg Ala Val Met Leu Leu Leu Leu Pro Trp  
1 5 10 15  
Thr Ala Gln Gly Arg Ala Val Pro Gly Gly Ser Ser Pro Ala Trp  
20 25 30  
Thr Gln Cys Gln Gln Leu Ser Gln Lys Leu Cys Thr Leu Ala Trp  
35 40 45  
Ser Ala His Pro Leu Val Gly His Met Asp Leu Arg Glu Glu Gly  
50 55 60  
Asp Glu Glu Thr Thr Asn Asp Val Pro His Ile Gln Cys Gly Asp  
65 70 75  
Gly Cys Asp Pro Gln Gly Leu Arg Asp Asn Ser Gln Phe Cys Leu  
80 85 90  
Gln Arg Ile His Gln Gly Leu Ile Phe Tyr Glu Lys Leu Leu Gly  
95 100 105  
Ser Asp Ile Phe Thr Gly Glu Pro Ser Leu Leu Pro Asp Ser Pro  
110 115 120  
Val Gly Gln Leu His Ala Ser Leu Leu Gly Leu Ser Gln Leu Leu  
125 130 135  
Gln Pro Glu Gly His His Trp Glu Thr Gln Gln Ile Pro Ser Leu  
140 145 150  
Ser Pro Ser Gln Pro Trp Gln Arg Leu Leu Leu Arg Phe Lys Ile  
155 160 165  
Leu Arg Ser Leu Gln Ala Phe Val Ala Val Ala Ala Arg Val Phe  
170 175 180  
Ala His Gly Ala Ala Thr Leu Ser Pro  
185

<210> 15

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3216587CD1

<400> 15

Met Gly Ala Val Met Gly Thr Phe Ser Ser Leu Gln Thr Lys Gln  
1 5 10 15  
Arg Arg Pro Ser Lys Asp Lys Ile Glu Asp Glu Leu Glu Met Thr  
20 25 30  
Met Val Cys His Arg Pro Glu Gly Leu Glu Gln Leu Glu Ala Gln  
35 40 45  
Thr Asn Phe Thr Lys Arg Glu Leu Gln Val Leu Tyr Arg Gly Phe  
50 55 60  
Lys Asn Glu Cys Pro Ser Gly Val Val Asn Glu Asp Thr Phe Lys  
65 70 75  
Gln Ile Tyr Ala Gln Phe Phe Pro His Gly Asp Ala Ser Thr Tyr  
80 85 90  
Ala His Tyr Leu Phe Asn Ala Phe Asp Thr Thr Gln Thr Gly Ser  
95 100 105  
Val Lys Phe Glu Asp Phe Val Thr Ala Leu Ser Ile Leu Leu Arg

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	110		115		120
Gly Thr Val His	Glu Lys Leu Arg Trp	Thr Phe Asn Leu Tyr	Asp		
	125		130		135
Ile Asn Lys Asp	Gly Tyr Ile Asn Lys	Glu Glu Met Met Asp	Ile		
	140		145		150
Val Lys Ala Ile	Tyr Asp Met Met Gly	Lys Tyr Thr Tyr Pro	Val		
	155		160		165
Leu Lys Glu Asp	Thr Pro Arg Gln His	Val Asp Val Phe Phe	Gln		
	170		175		180
Lys Met Asp Lys	Asn Lys Asp Gly Ile	Val Thr Leu Asp Glu	Phe		
	185		190		195
Leu Glu Ser Cys	Gln Glu Asp Asp Asn	Ile Met Arg Ser Leu	Gln		
	200		205		210
Leu Phe Gln Asn	Val Met				
	215				

<210> 16

<211> 178

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 5037143CD1

<400> 16

Met Ala Ala Ala	Arg Leu Cys Leu Ser	Leu Leu Leu Leu Ser	Thr
1	5	10	15
Cys Val Ala Leu	Leu Leu Gln Pro Leu	Leu Gly Ala Gln Gly	Ala
	20	25	30
Pro Leu Glu Pro	Val Tyr Pro Gly Asp	Asn Ala Thr Pro Glu	Gln
	35	40	45
Met Ala Gln Tyr	Ala Ala Asp Leu Arg	Arg Tyr Ile Asn Met	Leu
	50	55	60
Thr Arg Pro Arg	Cys Val Pro Gln Leu	Gly Arg Glu Ile Pro	Ala
	65	70	75
Pro Gly Thr Leu	Gly Pro Leu His Ile	Pro Gly His Thr Leu	Ser
	80	85	90
Pro Ala Pro Ala	Pro Ala Pro Ser Arg	Pro Ala Leu Gly Lys	Thr
	95	100	105
Gly His Leu Cys	Ser Thr Gly Leu Asp	Gln Cys Ala Leu Gly	Lys
	110	115	120
Met Val Pro Thr	Gly Arg Tyr Glu Thr	Gly Gly Leu Ala Pro	Gly
	125	130	135
His Ser Ala Cys	Pro Cys Cys Leu Phe	Pro Pro Arg Tyr Gly	Lys
	140	145	150
Arg His Lys Glu	Asp Thr Leu Ala Phe	Ser Glu Trp Gly Ser	Pro
	155	160	165
His Ala Ala Val	Pro Arg Glu Leu Ser	Pro Leu Asp Leu	
	170	175	

<210> 17

<211> 177

<212> PRT

<213> Homo sapiens

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<220>

<221> misc\_feature

<223> Incyte ID No: 1235265CD1

<400> 17

Met	Glu	Pro	Gly	Asn	Arg	Ser	Leu	Asn	Pro	His	Lys	Thr	Lys	His
1				5					10					15
His	Met	Glu	Cys	Arg	Val	Thr	Gly	Arg	Ala	Glu	Val	Thr	Ala	Ser
				20					25					30
Arg	Glu	Gly	Arg	Gly	Ala	Cys	Ala	Trp	Glu	Cys	Gly	Ser	Ser	Arg
				35					40					45
Gly	Pro	Trp	Gly	Leu	Leu	Arg	Tyr	Thr	Phe	Ala	Pro	Val	Arg	Ala
				50					55					60
Ser	Arg	Pro	Trp	Ala	Cys	Leu	Pro	Lys	Gly	Ser	Leu	Ser	Gln	Arg
				65					70					75
Pro	Lys	Leu	Pro	Pro	Pro	Val	His	Leu	Pro	Pro	Lys	Ser	Ser	Cys
				80					85					90
Pro	Pro	Arg	Ala	Gly	Gly	Gly	Gly	Ala	Gln	Gly	Arg	Gly	Val	Pro
				95					100					105
Cys	Thr	Tyr	Leu	Ser	Pro	Leu	Ser	His	Ser	Pro	Lys	Thr	Phe	Cys
				110					115					120
Thr	Phe	Leu	Gln	Gly	Cys	Pro	Ser	Gln	Gln	Phe	Pro	Ser	Trp	Leu
				125					130					135
Ile	Lys	Pro	Ser	Asp	Trp	Cys	Cys	Val	Pro	Ser	Leu	Trp	Pro	Leu
				140					145					150
Cys	Gly	Glu	Arg	Gly	Leu	Gln	Gly	Glu	Glu	Pro	Gly	Arg	Asp	Ser
				155					160					165
Gln	Ala	Ser	Pro	Trp	Glu	Gly	Gly	Ala	Ser	Arg	Arg			
				170					175					

<210> 18

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 5571181CD1

<400> 18

Met	Ala	Ala	Leu	Gln	Lys	Ser	Val	Ser	Ser	Phe	Leu	Met	Gly	Thr
1				5					10					15
Leu	Ala	Thr	Ser	Cys	Leu	Leu	Leu	Leu	Ala	Leu	Leu	Val	Gln	Gly
				20					25					30
Gly	Ala	Ala	Ala	Pro	Ile	Ser	Ser	His	Cys	Arg	Leu	Asp	Lys	Ser
				35					40					45
Asn	Phe	Gln	Gln	Pro	Tyr	Ile	Thr	Asn	Arg	Thr	Phe	Met	Leu	Ala
				50					55					60
Lys	Glu	Ala	Ser	Leu	Ala	Asp	Asn	Asn	Thr	Asp	Val	Arg	Leu	Ile
				65					70					75
Gly	Glu	Lys	Leu	Phe	His	Gly	Val	Ser	Met	Ser	Glu	Arg	Cys	Tyr
				80					85					90
Leu	Met	Lys	Gln	Val	Leu	Asn	Phe	Thr	Leu	Glu	Glu	Val	Leu	Phe
				95					100					105
Pro	Gln	Ser	Asp	Arg	Phe	Gln	Pro	Tyr	Met	Gln	Glu	Val	Val	Pro

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	110		115		120									
Phe	Leu	Ala	Arg	Leu	Ser	Asn	Arg	Leu	Ser	Thr	Cys	His	Ile	Glu
	125								130					135
Gly	Asp	Asp	Leu	His	Ile	Gln	Arg	Asn	Val	Gln	Lys	Leu	Lys	Asp
	140								145					150
Thr	Val	Lys	Lys	Leu	Gly	Glu	Ser	Gly	Glu	Ile	Lys	Ala	Ile	Gly
	155								160					165
Glu	Leu	Asp	Leu	Leu	Phe	Met	Ser	Leu	Arg	Asn	Ala	Cys	Ile	
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<212> PRT

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<221> misc\_feature

<223> Incyte ID No: 685374CD1

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Ile	Val	Thr	Lys	Leu	Tyr	Ser	Arg	Gln	Gly	Tyr	His	Leu	Gln	Leu
			20						25					30
Gln	Ala	Asp	Gly	Thr	Ile	Asp	Gly	Thr	Lys	Asp	Glu	Asp	Ser	Thr
			35						40					45
Tyr	Thr	Leu	Phe	Asn	Leu	Ile	Pro	Val	Gly	Leu	Arg	Val	Val	Ala
			50						55					60
Ile	Gln	Gly	Val	Gln	Thr	Lys	Leu	Tyr	Leu	Ala	Met	Asn	Ser	Glu
			65						70					75
Gly	Tyr	Leu	Tyr	Thr	Ser	Glu	Leu	Phe	Thr	Pro	Glu	Cys	Lys	Phe
			80						85					90
Lys	Glu	Ser	Val	Phe	Glu	Asn	Tyr	Tyr	Val	Thr	Tyr	Ser	Ser	Met
			95						100					105
Ile	Tyr	Arg	Gln	Gln	Gln	Ser	Gly	Arg	Gly	Trp	Tyr	Leu	Gly	Leu
			110						115					120
Asn	Lys	Glu	Gly	Glu	Ile	Met	Lys	Gly	Asn	His	Val	Lys	Lys	Asn
			125						130					135
Lys	Pro	Ala	Ala	His	Phe	Leu	Pro	Lys	Pro	Leu	Lys	Val	Ala	Met
			140						145					150
Tyr	Lys	Glu	Pro	Ser	Leu	His	Asp	Leu	Thr	Glu	Phe	Ser	Arg	Ser
			155						160					165
Gly	Ser	Gly	Thr	Pro	Thr	Lys	Ser	Arg	Ser	Val	Ser	Gly	Val	Leu
			170						175					180
Asn	Gly	Gly	Lys	Ser	Met	Ser	His	Asn	Glu	Ser	Thr	Pro	Val	Arg
			185						190					195
Ala	Lys	Glu	Gly	Leu	Cys	Asn	Arg	Thr	Leu	Pro	Pro	Gly	Ala	Val
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Glu Phe Phe

<210> 20

<211> 239

<212> PRT

<213> Homo sapiens

PF-0701 USA

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<223> Incyte ID No: 843193CD1

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Trp Cys His Pro Lys Gln Ile Asp Thr Ile Phe Pro Leu Val Thr  
35 40 45  
Ala Lys Gly Glu Asn His Pro Ser Pro Asn Phe Asn Gln Tyr Val  
50 55 60  
Arg Asp Gln Gly Ala Met Thr Asp Gln Leu Ser Arg Arg Gln Ile  
65 70 75  
Arg Glu Tyr Gln Leu Tyr Ser Arg Thr Ser Gly Lys His Val Gln  
80 85 90  
Val Thr Gly Arg Arg Ile Ser Ala Thr Ala Glu Asp Gly Asn Lys  
95 100 105  
Phe Ala Lys Leu Ile Val Glu Thr Asp Thr Phe Gly Ser Arg Val  
110 115 120  
Arg Ile Lys Gly Ala Glu Ser Glu Lys Tyr Ile Cys Met Asn Lys  
125 130 135  
Arg Gly Lys Leu Ile Gly Lys Pro Ser Gly Lys Ser Lys Asp Cys  
140 145 150  
Val Phe Thr Glu Ile Val Leu Glu Asn Asn Tyr Thr Ala Phe Gln  
155 160 165  
Asn Ala Arg His Glu Gly Trp Phe Met Ala Phe Thr Arg Gln Gly  
170 175 180  
Arg Pro Arg Gln Ala Ser Arg Ser Arg Gln Asn Gln Arg Glu Ala  
185 190 195  
His Phe Ile Lys Arg Leu Tyr Gln Gly Gln Leu Pro Leu Thr Asn  
200 205 210  
His Ala Glu Lys Gln Lys Gln Phe Glu Phe Val Gly Ser Ala Pro  
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Thr Arg Arg Ala Lys Arg Thr Arg Arg Pro Gln Pro Leu Thr  
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<211> 493

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20 25 30  
Asp Gly Tyr Glu Trp Asp Pro Val Arg Gln Gln Cys Lys Asp Ile  
35 40 45  
Asp Glu Cys Asp Ile Val Pro Asp Ala Cys Lys Gly Gly Met Lys

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Cys Val Asn His Tyr Gly Gly Tyr Leu Cys Leu Pro Lys Thr Ala					
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Gln Ile Ile Val Asn Asn Glu Gln Pro Gln Gln Glu Thr Gln Pro					
	80		85		90
Ala Glu Gly Thr Ser Gly Ala Thr Thr Gly Val Val Ala Ala Ser					
	95		100		105
Ser Met Ala Thr Ser Gly Val Leu Pro Gly Gly Gly Phe Val Ala					
	110		115		120
Ser Ala Ala Ala Val Ala Gly Pro Glu Met Gln Thr Gly Arg Asn					
	125		130		135
Asn Phe Val Ile Arg Arg Asn Pro Ala Asp Pro Gln Arg Ile Pro					
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Ser Asn Pro Ser His Arg Ile Gln Cys Ala Ala Gly Tyr Glu Gln					
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Ser Glu His Asn Val Cys Gln Asp Ile Asp Glu Cys Thr Ala Gly					
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Thr His Asn Cys Arg Ala Asp Gln Val Cys Ile Asn Leu Arg Gly					
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Ser Phe Ala Cys Gln Cys Pro Pro Gly Tyr Gln Lys Arg Gly Glu					
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Gln Cys Val Asp Ile Asp Glu Cys Thr Ile Pro Pro Tyr Cys His					
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Gln Arg Cys Val Asn Thr Pro Gly Ser Phe Tyr Cys Gln Cys Ser					
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Pro Gly Phe Gln Leu Ala Ala Asn Asn Tyr Thr Cys Val Asp Ile					
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Asn Glu Cys Asp Ala Ser Asn Gln Cys Ala Gln Gln Cys Tyr Asn					
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Ile Leu Gly Ser Phe Ile Cys Gln Cys Asn Gln Gly Tyr Glu Leu					
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Ser Ser Asp Arg Leu Asn Cys Glu Asp Ile Asp Glu Cys Arg Thr					
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Ser Ser Tyr Leu Cys Gln Tyr Gln Cys Val Asn Glu Pro Gly Lys					
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Phe Ser Cys Met Cys Pro Gln Gly Tyr Gln Val Val Arg Ser Arg					
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Thr Cys Gln Asp Ile Asn Glu Cys Glu Thr Thr Asn Glu Cys Arg					
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Glu Asp Glu Met Cys Trp Asn Tyr His Gly Gly Phe Arg Cys Tyr					
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Pro Arg Asn Pro Cys Gln Asp Pro Tyr Ile Leu Thr Pro Glu Asn					
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Arg Cys Val Cys Pro Val Ser Asn Ala Met Cys Arg Glu Leu Pro					
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Gln Ser Ile Val Tyr Lys Tyr Met Ser Ile Arg Ser Asp Arg Ser					
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Val Pro Ser Asp Ile Phe Gln Ile Gln Ala Thr Thr Ile Tyr Ala					
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Asn Thr Ile Asn Thr Phe Arg Ile Lys Ser Gly Asn Glu Asn Gly					
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Glu Phe Tyr Leu Arg Gln Thr Ser Pro Val Ser Ala Met Leu Val					
	440		445		450
Leu Val Lys Ser Leu Ser Gly Pro Arg Glu His Ile Val Asp Leu					

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<400> 23

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Ser	Leu	Ala	Ala	Pro	Gln	Arg	Phe	Gly	Lys	Lys				
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<211> 136

<212> PRT

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<221> misc\_feature

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Ser	Ala	Gln	Ala	Phe	Pro	Gln	Thr	Asp	Ile	Ser	Ile	Ser	Pro	Ala
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Leu	Pro	Glu	Leu	Pro	Leu	Pro	Ser	Leu	Cys	Pro	Leu	Phe	Trp	Met
			35						40					45
Glu	Phe	Lys	Gly	His	Cys	Tyr	Arg	Phe	Phe	Pro	Leu	Asn	Lys	Thr
			50						55					60
Trp	Ala	Glu	Ala	Asp	Leu	Tyr	Cys	Ser	Glu	Phe	Ser	Val	Gly	Arg
			65						70					75
Lys	Ser	Ala	Lys	Leu	Ala	Ser	Ile	His	Ser	Trp	Glu	Glu	Asn	Val
			80						85					90
Phe	Val	Tyr	Asp	Leu	Val	Asn	Ser	Cys	Val	Pro	Gly	Ile	Pro	Ala
			95						100					105
Asp	Val	Trp	Thr	Gly	Leu	His	Asp	His	Arg	Gln	Val	Arg	Lys	Gln
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Ile

<210> 25

<211> 176

<212> PRT

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Lys	Lys	Phe	Ser	Ile	His	Asp	Gln	Asp	His	Lys	Val	Leu	Val	Leu
			20						25					30
Asp	Ser	Gly	Asn	Leu	Ile	Ala	Val	Pro	Asp	Lys	Asn	Tyr	Ile	Arg
			35						40					45
Pro	Glu	Ile	Phe	Phe	Ala	Leu	Ala	Ser	Ser	Leu	Ser	Ser	Ala	Ser
			50						55					60
Ala	Glu	Lys	Gly	Ser	Pro	Ile	Leu	Leu	Gly	Val	Ser	Lys	Gly	Glu



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	65	70	75
Phe Cys Leu Tyr Cys Asp Lys Asp Lys Gly Gln Ser His Pro Ser			
	80	85	90
Leu Gln Leu Lys Lys Glu Lys Leu Met Lys Leu Ala Ala Gln Lys			
	95	100	105
Glu Ser Ala Arg Arg Pro Phe Ile Phe Tyr Arg Ala Gln Val Gly			
	110	115	120
Ser Trp Asn Met Leu Glu Ser Ala Ala His Pro Gly Trp Phe Ile			
	125	130	135
Cys Thr Ser Cys Asn Cys Asn Glu Pro Val Gly Val Thr Asp Lys			
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Phe Glu Asn Arg Lys His Ile Glu Phe Ser Phe Gln Pro Val Cys			
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Lys Ala Glu Met Ser Pro Ser Glu Val Ser Asp			
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<210> 26

<211> 134

<212> PRT

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<221> misc\_feature

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Cys Leu Glu Thr Leu Val Gly Ile Pro Phe Ser Arg His Arg Ser			
	35	40	45
Leu Gly Leu Ile Pro Ala Pro Arg Cys Leu Pro Leu Pro Ala Ala			
	50	55	60
Ile Pro Thr Ser Leu Cys Ser Pro Pro Phe His Ser Leu His Ser			
	65	70	75
Leu Pro Arg Cys Pro Leu Leu Lys Val Leu Gly His Pro Gln Val			
	80	85	90
Ala Trp Ser Arg Gln Gln Pro Leu His Phe Thr Ser Ala Asn Asp			
	95	100	105
Arg His Leu Ser Lys Ala Cys Pro Gly Cys Ser Trp Tyr Ser Ser			
	110	115	120
Asp Ser Leu Val Ala Phe Gln Arg Pro Phe Pro Ser Gly Leu			
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<211> 2730

<212> DNA

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<221> misc\_feature

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<212> DNA

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<223> Incyte ID No: 1329044CB1

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<400> 28

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<211> 842

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<220>

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<211> 996

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 4318494CB1

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2207183CB1

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<400> 38

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2267403CB1

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<211> 1055

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<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2933038CB1

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<213> Homo sapiens

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<211> 1906

<212> DNA

<213> Homo sapiens

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<211> 1803

<212> DNA

<213> Homo sapiens



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<220>

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<213> Homo sapiens

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agccaggagg agctgggtgt gagttgttta ttgggtgaga gttgtgtcca acaccaatga 2520
tctttaaatg aactgagtc tagagctgtc cggaagacta gaactaggac cccggttgga 2580
gactgcaggg agtgcttata gttgacatcg gacagggcag ctccgttagg aaggagtgtc 2640
acctgcactg ggaagggttc aaggaagagg ttgcctgcct tagagaccaa gtaccctgat 2700
aggccagcat caggctggcc tagtacaaag atggtctcga agcgcccca gggaaatgtg 2760
cctccaacaa atcgaagtgg ataaaaaggg caggacactc taatgagcac cgggcactct 2820
ctagacatct ttttcagatt cccctcgtc atgaggcagg tctgtctcca tcttgcatg 2880
gagaatctca gtgaggaggt tcaggatcac acagccagta caggactctg gtgccgcgcc 2940
gtctctaaag cccaccgttc aaccactcgc ctgtgctctc agagaggctc gtggaacctg 3000
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<210> 48

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1440015CB1

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<400> 48

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gctcggatgt tcggcagcct cctgctcttc gccctgctcg ctgccggcgt cgcgccgctc 180
agctgggata tcccggagcc ccgcagccga gccagcaaga tccgagtga ctcgcgaggc 240
aacctctggg ccaccgggtca cttcatgggc aagaagagtc tggagccttc cagcccatcc 300
ccattgggga cagctcccca cacctccctg agggaccagc gactgcagct gactcatgat 360
ctgctcggaa tcctcctgct aaagaaggct ctgggcgtga gctcagccgc cccgcacccc 420
aaatccagta caggaggctg ctggtacaaa tacttgacga aatgacacca ataattgggg 480
agacacaaca gcgtggctta gattgtggcc aaccccaggg aaagggtgctg aattgggaac 540
cttggtgaat gggccccatt                                     560
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<210> 49

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1652885CB1

<400> 49

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ctcgagcgcg ggggctgtgc tgaagggcca ggaggccagc aggaagacca gctctccgcg 60
gtgagtgtgt gtcccatccc catatcacca ttgcctctac ttcggttgag acttggtgctc 120
taggttctga tactttctct ggetgccaaag gttgtcatta ggtcctcaca tctgaggaaa 180
tggttccgca gectcctacc acttgccctt ggaagccagt ccttccctt tgtgacttac 240
gtgtccaggg tatattgcca tcttcttctc ctgatacccc cttggcacag gaggaagaca 300
gcgaaccctt cccaccacag gatgccacga cctctgggtc actggtgcac tacctgctcc 360
aggcaatgga gagacctggc cggagccaaag ccttctgtt tcagccccag aggtttggca 420
gaaataccca gggatcctgg aggaatgaat ggctgagtc cggggctgga gaggggctga 480
attcccagtt ctggagcctg gctgcccctc aacgctttgg gaagaagtga catgtcatcc 540
cttgatatgt ctgcatgcaa ggtccacacc caaaagtgtc aatgtttgcc ccccaaataa 600
aattgtctgg ctt                                     613
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<210> 50

<211> 655

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 4003984CB1

<400> 50

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cctggacca agctccagcc aaaaagcctc tctcctccac tcaggctggg aggttgcttt 60
ctaggagctc aggatgcaaa ggtggacact gtgggctgca gccttctga cctccactc 120
tgcacaggcc tttccacaaa cagacatcag tatcagtcca gccctgccag agctgcccct 180
gccttccctg tgccccctgt tctggatgga gttcaaaggc cactgctatc gattcttccc 240
tctcaataag acctgggctg aggccgacct ctactgttct gagttctctg tgggcaggaa 300
gtccgccaag ctggcctcca tccacagctg ggaggagaat gtctttgtat atgacctcgt 360
gaacagctgt gttcccggca tcccagctga cgtctggaca ggccttcctg atcacagaca 420
ggtgagaaa agctggccat tgggccccct tgggaagctc agccaggatt ctattttgat 480
ttaataagct tttcacatca gtgccaggtc acggctatgc acacagcata tagagagaaa 540
tcagacacca agatgtcaca gttacagcat gaccaatttg tgaaagacat ttaatgatgt 600
```

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cctactaaat gatgggaaca gatagcatgg tcagagaaaa cctgtttggc tggga 655

<210> 51  
<211> 630  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 4365383CB1

<400> 51  
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aaccggaaga aattcagcat tcatgaccag gatcacaag tactggctct ggactctggg 120  
aatctcatag cagttccaga taaaaactac atacgccag agatcttctt tgcattagcc 180  
tcatecttga gctcagcctc tgcggagaaa ggaagtccga ttctcctggg ggtctctaaa 240  
ggggagtttt gtctctactg tgacaaggat aaaggacaaa gtcattccat ccttcagctg 300  
aagaaggaga aactgatgaa gctggctgcc caaaaggat cagcacgccg gcccttcac 360  
ttttataggg ctccaggtggg ctctctggaac atgctggagt cggcggtctc ccccggtatg 420  
ttcatctgca cctcctgcaa ttgtaattgag cctggtgggg tgacagataa atttgagaac 480  
aggaaacaca ttgaattttc atttcaacca gtttgcaaag ctgaaatgag cccagtgag 540  
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aaaaaccca aacctgctca ctaaaaaaaaa 630

<210> 52  
<211> 501  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 5497814CB1

<400> 52  
gcccttctctg tccccaccat gtctgtcttg cctctgtgag tctgctggcc 60  
tctgtctac acctgtccac ctctctcttg cctcccagcc ttgcatgttg cttggaaaca 120  
ttgggttgga ttccatttag ccggcacctg agccttgccc tcatccctgc cccacggtgc 180  
ctgccccttc ccgtgcaat cccacttct ctctgtctc caccattcca cagcctgcat 240  
tccctacccc gatgccctct gctgaaagtc ctgggccatc cacaggtggc atggtcaagg 300  
cagcagccac tgcactttac ctctgccaat gaccgtctc tctccaaggc ctgccctggc 360  
tgagagctgg attccagtga cagcctgggt gcatttcaga gacccttccc ttcagggtctg 420  
tgagaaggcg gcagcggttc catgtgggaa aaaggaggag gagggctgtg tcttctctac 480  
tgtctctgag cagccccgcc c 501

<210> 53  
<211> 179  
<212> PRT  
<213> Cervus elaphus

<220>  
<221> misc\_feature  
<223> Genbank ID No: gi511295

<400> 53

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Met	Pro	Ser	Ser	Ser	Ala	Leu	Leu	Cys	Cys	Leu	Val	Phe	Leu	Ala
1				5					10					15
Gly	Val	Ala	Ala	Ser	Arg	Asp	Ala	Ser	Ala	Pro	Ser	Asp	Ser	Ser
				20					25					30
Cys	Thr	His	Phe	Ser	Asn	Ser	Leu	Pro	Leu	Met	Leu	Arg	Glu	Leu
				35					40					45
Arg	Thr	Ala	Phe	Ser	Arg	Val	Lys	Asn	Phe	Phe	Gln	Met	Lys	Asp
				50					55					60
Gln	Leu	Asp	Ser	Met	Leu	Leu	Thr	Gln	Ser	Leu	Leu	Asp	Asp	Phe
				65					70					75
Lys	Gly	Tyr	Leu	Gly	Cys	Gln	Ala	Leu	Ser	Glu	Met	Ile	Gln	Phe
				80					85					90
Tyr	Leu	Glu	Glu	Val	Met	Pro	Gln	Ala	Glu	Asn	His	Gly	Pro	Glu
				95					100					105
Ile	Lys	Glu	His	Val	Asn	Ser	Leu	Gly	Glu	Lys	Leu	Lys	Thr	Leu
				110					115					120
Arg	Leu	Arg	Leu	Arg	Arg	Cys	His	Arg	Phe	Leu	Pro	Cys	Glu	Asn
				125					130					135
Lys	Ser	Lys	Ala	Val	Glu	Gln	Val	Lys	Ser	Val	Phe	Ser	Lys	Leu
				140					145					150
Gln	Glu	Arg	Gly	Val	Tyr	Lys	Ala	Met	Ser	Glu	Phe	Asp	Ile	Phe
				155					160					165
Ile	Asn	Tyr	Ile	Glu	Thr	Tyr	Thr	Thr	Met	Lys	Met	Lys	Asn	
				170					175					

<210> 54

<211> 193

<212> PRT

<213> Macaca fascicularis

<220>

<221> misc\_feature

<223> Genbank ID No: gi1841298

<220>

<221> unsure

<222> 179-193

<223> Xaa is unknown

<400> 54

Met	His	Ser	Ser	Ala	Leu	Leu	Cys	Cys	Leu	Val	Leu	Leu	Thr	Gly
1				5					10					15
Val	Arg	Ala	Ser	Pro	Gly	Gln	Gly	Thr	Gln	Ser	Glu	Asn	Ser	Cys
				20					25					30
Thr	Arg	Phe	Pro	Gly	Asn	Leu	Pro	His	Met	Leu	Arg	Asp	Leu	Arg
				35					40					45
Asp	Ala	Phe	Ser	Arg	Val	Lys	Thr	Phe	Phe	Gln	Met	Lys	Asp	Gln
				50					55					60
Leu	Asp	Asn	Ile	Leu	Leu	Lys	Glu	Ser	Leu	Leu	Glu	Asp	Phe	Lys
				65					70					75
Gly	Tyr	Leu	Gly	Cys	Gln	Ala	Leu	Ser	Glu	Met	Ile	Gln	Phe	Tyr
				80					85					90
Leu	Glu	Glu	Val	Met	Pro	Gln	Ala	Glu	Asn	His	Asp	Pro	Asp	Ile
				95					100					105
Lys	Glu	His	Val	Asn	Ser	Leu	Gly	Glu	Asn	Leu	Lys	Thr	Leu	Arg

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	110		115		120
Leu Arg Leu Arg	Arg Cys His Arg Phe	Leu Pro Cys Glu Asn Lys			
	125		130		135
Ser Lys Ala Val	Glu Gln Val Lys Asn	Ala Phe Ser Lys Leu Gln			
	140		145		150
Glu Lys Gly Val	Tyr Lys Ala Met Ser	Glu Phe Asp Ile Phe Ile			
	155		160		165
Asn Tyr Ile Glu	Ala Tyr Met Thr Met	Lys Ile Arg Asn Xaa Xaa			
	170		175		180
Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa			
	185		190		

<210> 55

<211> 178

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Genbank ID No: gi106805

<400> 55

Met His Ser Ser	Ala Leu Leu Cys Cys	Leu Val Leu Leu Thr Gly			
1	5	10			15
Val Arg Ala Ser	Pro Gly Gln Gly Thr	Gln Ser Glu Asn Ser Cys			
	20	25			30
Thr His Phe Pro	Gly Asn Leu Pro Asn Met	Leu Arg Asp Leu Arg			
	35	40			45
Asp Ala Phe Ser	Arg Val Lys Thr Phe	Phe Gln Met Lys Asp Gln			
	50	55			60
Leu Asp Asn Leu	Leu Leu Lys Glu Ser	Leu Leu Glu Asp Phe Lys			
	65	70			75
Gly Tyr Leu Gly	Cys Gln Ala Leu Ser	Glu Met Ile Gln Phe Tyr			
	80	85			90
Leu Glu Glu Val	Met Pro Gln Ala Glu	Asn Gln Asp Pro Asp Ile			
	95	100			105
Lys Ala His Val	Asn Ser Leu Gly Glu	Asn Leu Lys Thr Leu Arg			
	110	115			120
Leu Arg Leu Arg	Arg Cys His Arg Phe	Leu Pro Cys Glu Asn Lys			
	125	130			135
Ser Lys Ala Val	Glu Gln Val Lys Asn	Ala Phe Asn Lys Leu Gln			
	140	145			150
Glu Lys Gly Ile	Tyr Lys Ala Met Ser	Glu Phe Asp Ile Phe Ile			
	155	160			165
Asn Tyr Ile Glu	Ala Tyr Met Thr Met	Lys Ile Arg Asn			
	170	175			